

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A method for networking and controlling appliances within a local environment containing a local server responsive to commands received from a mobile phone or a personal digital assistant having a local controller function, each controllable appliance being controllable by a corresponding appliance control module, comprising the steps of:

receiving, in response to a request transmitted within the local environment, an address of a remote location maintaining appliance control modules for each controllable appliance;

obtaining the appliance control module by using the addresses to contact the remote location maintaining the appliance control module;

installing on the local server, the ~~an~~ appliance control module for each controllable appliance ~~that is to be controlled~~;

providing communication between the local server and the controllable appliances; and

accessing the local server with the local controller when the local controller is one of within the local environment and outside the local environment to select one of the installed appliance control modules for controlling the corresponding appliance.

2. (original) The method of claim 1, wherein each appliance has a memory-stored address for providing a location of the corresponding appliance control module, said method further comprising the steps of transmitting the memory-stored address from the appliance to the local controller, and accessing a remote location using the transmitted address to locate the corresponding appliance control module.

3. (original) The method of claim 2, wherein the local controller, local server and each appliance contains a wireless transceiver, and wherein said step of transmitting comprises the step of wirelessly transmitting.

4. (original) The method of claim 2, wherein the memory-stored address is a URL Internet address.

5. (original) The method of claim 4, wherein said accessing step comprises the step of connecting to the Internet using the URL to locate the appliance control module.

6. (original) The method of claim 1, wherein the local controller and the local server comprise an integrally formed wireless communications device.

7. (original) The method of claim 6, wherein said wireless communications device comprises one of a mobile phone and a personal digital assistant.

8. (canceled)

9. (previously presented) The method of claim 2, wherein said local server comprises a personal computer.

10. (original) The method of claim 1, wherein the appliances, local server and local controller are capable of wirelessly communicating with each other using Bluetooth transceivers.

11. (original) The method of claim 2, wherein the appliances, local server and local controller are capable of wirelessly communicating with each other using Bluetooth transceivers.

12. (original) The method of claim 1, wherein the step of accessing further comprises providing a select user with access to the appliances based on a user identifier.

13. (original) The method of claim 12, wherein the local controller is a mobile phone and wherein said step of providing a user with access further comprises using a SIM and PIN associated with the phone as the user identifier.

14. (original) The method of claim 12, wherein the local server is a personal computer and wherein said step of providing a user with access further comprises using a personal computer password as the user identifier.

15. (currently amended) The method of claim 2, wherein said step of transferring comprises the step of accessing the remote location; ~~comprises~~ transferring the located appliance control module to the local controller; and ~~then~~ transferring the appliance control module from the local controller to the local server.

16 (currently amended) The method of claim 1, further comprising the step of accessing the local server with the local controller to control a selected appliance with a corresponding appliance control module.

17. (original) The method of claim 1, wherein the local controller comprises a mobile phone and wherein said accessing step comprises the step of selecting a command on the mobile phone to control a select appliance.

18. (currently amended) The method of claim 13, further comprising the ~~steps~~ step of using the local controller to grant a second device authority for accessing the local server.

19. (currently amended) A network for controlling appliances within a local environment containing a local server responsive to commands received from a mobile phone or a personal digital assistant having a local controller function, each controllable appliance being controllable by a corresponding appliance control module, comprising:

means for receiving in response to a request transmitted within the local environment, an address of a remote location maintaining appliance control modules for each controllable appliance;

means for obtaining the appliance control module for each controllable appliance by contacting the remote location;

means for installing on the local server, an obtained appliance control ~~modules~~ module for each appliance that is to be controlled;

means for providing communication between the local server and the ~~appliances~~ appliance;
and

means for accessing the local server with the local controller when the local controller is one of within the local environment and outside the local environment to select one of the installed appliance control modules for controlling the corresponding appliance.

20. (original) The network of claim 19, wherein each appliance has a memory-stored address for providing a location of the corresponding appliance control module, said network further comprising means for transmitting the memory-stored address from the appliance to the local controller, and means for accessing a remote location using the transmitted address to locate the corresponding appliance control module.

21. (currently amended) The network of claim 20, wherein the local controller, local server and each appliance ~~contains~~ contain a wireless transceiver, and wherein said means for transmitting comprises means for wirelessly transmitting.

22. (original) The network of claim 20, wherein the memory-stored address is a URL Internet address.

23. (original) The network of claim 22, wherein said means for accessing comprises the step of connecting to the Internet using the URL to locate the appliance control module.

24. (original) The network of claim 20, wherein the local controller and the local server comprise an integrally formed wireless communications device.

25. (original) The network of claim 24, wherein said wireless communications device comprises one of a mobile phone and a personal digital assistant.

26. (canceled)

27. (previously presented) The network of claim 19, wherein said local server comprises a personal computer.

28. (original) The network of claim 19, wherein the appliances, local server and local controller are capable of wirelessly communicating with each other using Bluetooth transceivers.

29. (original) The network of claim 20, further comprising means for providing a select user with access to the appliances based on a user identifier.

30. (original) The network of claim 29, wherein the local controller is a mobile phone and wherein said means for providing a user with access further comprises using a SIM and PIN associated with the phone as the user identifier.

31. (original) The network of claim 19, wherein the local server is a personal computer and wherein said means for providing a user with access further comprises using a personal computer password as the user identifier.

32. (original) The network of claim 19, wherein said means for transferring comprises means for transferring the located appliance control module to the local controller and means for transferring the appliance control module from the local controller to the local server.

33. (original) The network of claim 32, wherein the local controller comprises a mobile phone and wherein said means for accessing comprises entering a menu selection on the mobile phone.

34. (original) The network of claim 30, further comprising means for the local controller to grant a second device authority for accessing the local server.

35. (currently amended) A network for controlling ~~an~~ a controllable appliance contained within a local environment, the appliance being controllable by a corresponding appliance control module and having a memory-stored address for providing a location of the corresponding appliance control module, comprising:

one of a mobile phone and a personal digital assistant having a local controller having a wireless transceiver for communicating with the appliance and for receiving the memory-stored

address from the appliance, the memory-stored address being used to locate the appliance control module;

a local server in communication with said local controller for receiving an address of a remote location maintaining the appliance control module for each controllable appliance in response to a request for appliance control modules for each controllable appliance; obtaining the appliance control module for each controllable appliance by contacting the remote location maintaining the appliance control module;~~receiving and storing the located appliance control module; and~~ , said local controller wirelessly communicating with said local server when said local controller is one of within the local environment and outside the local environment for controlling the appliance corresponding to the located appliance control module.

36. (original) The network of claim 35, wherein the memory-stored address corresponds to a location on a global computer network and wherein at least one of said local controller and local server is capable of communicating with said global computer network.

37. (canceled)

38. (canceled)

39. (previously presented) The network of claim 36, wherein said local controller is used to access the global computer network to locate the appliance control module and to transmit the appliance control module to said local server.

40. (previously presented) The network of claim 36, wherein said local controller, said local server and the appliance comprise Bluetooth transceivers for permitting wireless communication therebetween.

41. (new) A mobile terminal for controlling appliances controllable by corresponding appliance control modules within a local environment, comprising:

means for sending a request for appliance control modules to each appliance;

means for receiving an address from each controllable appliance of a remote location maintaining the appliance control module for each controllable appliance in response to the request; said received remote location address being used to obtain a corresponding appliance control module for each controllable appliance by contacting the remote location maintaining the appliance control module;

means for allowing the input of user instructions and for generating output signals for controlling select controllable appliances; and

means for communicating said output signals to a local server having said corresponding appliance control modules for controlling select ones of said controllable appliances.

42. (new) The mobile terminal of claim 41, further comprising one of a mobile phone and a personal digital assistant.

43. (new) An appliance having a corresponding appliance control module for controlling said appliance in a local environment; comprising:

means for storing an address at which said appliance control module can be obtained from a remote location;

means for communicating said stored address in response to a request from a mobile terminal for locating said appliance control module, said remote location address being used to obtain said corresponding appliance control module by contacting the remote location maintaining the appliance control module; and

means responsive to commands from a local server in the local environment having said located appliance control module for controlling said appliance.